

**RULE 63 (37 C.F.R. 1.63)**  
**INVENTORS DECLARATION FOR PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: \_\_\_\_\_

**HUMANIZED ANTI-CD3 SPECIFIC ANTIBODIES (AS AMENDED)**

the specification of which (check applicable box(s)):

- ☐ is attached hereto  
☒ was filed on 7 June 1995 as U.S. Application Serial No. 08/478,624 (Atty. Dkt. No. 604-336)  
☐ was filed as PCT International application No. \_\_\_\_\_ on \_\_\_\_\_  
 and (if applicable to U.S. or PCT application) was amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

**Priority Foreign Application(s):**

Application Number  
9206422.9  
PCT/GB92/01933

**Country**  
United Kingdom

Day/Month/Year Filed  
24 March 1992  
21 October 1992

[illegible]

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below:

**Prior U.S./PCT Application(s):**  
**Application Serial No.**

Day/Month/Year Filed

Status: patented  
pending, abandoned

09/988.925

9 March 1993

U.S. Patent 5,585,097

I, \_\_\_\_\_, declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8<sup>th</sup> Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent. I also authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the firm and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s).

1. Inventor's Signature: Sarah V. Scott Date: 28.01.02  
 Inventor: Sarah L Boit  
                     (first)                      (last)                      British  
 Residence: (city) Cambridge (state/country) England  
 Mailing Address: 38 Leys Avenue, Cambridge, England  
                     (Zip Code) CB4 2AW

2. **Inventor's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Inventor:** Michael R. Clark  
 (first) MI (last)  
**Residence: (city)** Cambridge (state/country) England  
**Mailing Address:** 124 Richmond Road, Cambridge, England  
 (Zip Code) CB4 3PT

☒ See attached sheet(s) for additional inventor(s) information!!

3. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Scott D. Gorman American  
(first) MI (last) (citizenship)  
Residence: (city) Oxfordshire (state/country) England  
Mailing Address: 104 Wroslyn Road, Freeland, Witney, Oxfordshire, England  
(Zip Code) OX29 8HL
4. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Edward G. Routledge British  
(first) MI (last) (citizenship)  
Residence: (city) Newcastle (state/country) England  
Mailing Address: 65 Wingrove Road, Fenham, Newcastle upon Tyne, England  
(Zip Code) NE4 9BS
5. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Herman Waldman British  
(first) MI (last) (citizenship)  
Residence: (city) Oxfordshire (state/country) England  
Mailing Address: 4, Apsley Road, Oxfordshire, England  
(Zip Code) OX2 7QY

604-336  
135511/US2/RSCNixon & Vanderhye P.C. (10/99)  
(Domestic Non-Assigned/Foreign) Page 1

**RULE 63 (37 C.F.R. 1.63)**  
**INVENTORS DECLARATION FOR PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**HUMANIZED ANTI-CD3 SPECIFIC ANTIBODIES (AS AMENDED)**

the specification of which (check applicable box(s)):

☐ is attached hereto  
☒ was filed on 7 June 1995 as U.S. Application Serial No. 08/478.684 (Atty Dkt. No. 604-336)  
☐ was filed as PCT International application No. \_\_\_\_\_ on \_\_\_\_\_  
 and (if applicable to U.S. or PCT application) was amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Application Number	Country	Day/Month/Year Filed
9206422.9	United Kingdom	24 March 1992
PCT/GB92/01933		21 October 1992

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number	Date/Month/Year Filed

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below:

Prior U.S./PCT Application(s): Application Serial No.	Day/Month/Year Filed	Status: pat nt d pending, aband n d
09/988,925	9 March 1993	U.S. Patent 5,585,097

I do declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8<sup>th</sup> Fl or, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Larry S. Nixon, 25640; Arthur R. Crawford, 25327; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffrey H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329; Joseph A. Rhoa, 37515; Raymond Y. Mah, 41426; Chris Comuntzis, 31097; Gary T. Tanigawa, 43180. I also authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the firm and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s).

1.	Inventor's Signature: Inventor:	<u>Sarah L. Bolt</u>	Date:	<u>28 January 2002</u>
	Residence: (city)	<u>Cambridge</u>	(state/country)	<u>England</u>
	Mailing Address:	<u>38 Leys Avenue, Cambridge, England</u>		
	(Zip Code)	<u>CB4 2AW</u>		
2.	Inventor's Signature: Inventor:	<u>Michael R. Clark</u>	Date:	<u>28 January 2002</u>
	Residence: (city)	<u>Cambridge</u>	(state/country)	<u>England</u>
	Mailing Address:	<u>124 Richmond Road, Cambridge, England</u>		
	(Zip Code)	<u>CB4 3PT</u>		

See attached sheet(s) for additional inventor(s) information!!

3. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Scott D. Gorman American  
(first) MI (last) (citizenship)  
Residence: (city) Oxfordshire (state/country) England  
Mailing Address: 104 Wroslyn Road, Freeland, Witney, Oxfordshire, England  
(Zip Code) OX29 8HL
4. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Edward G. Routledge British  
(first) MI (last) (citizenship)  
Residence: (city) Newcastle (state/country) England  
Mailing Address: 65 Wingrove Road, Fenham, Newcastle upon Tyne, England  
(Zip Code) NE4 9BS
5. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Herman Waldman British  
(first) MI (last) (citizenship)  
Residence: (city) Oxfordshire (state/country) England  
Mailing Address: 4, Apsley Road, Oxfordshire, England  
(Zip Code) OX2 7QY

604-336  
135511/US2/RSC

Nixon & Vanderhye P.C. (10/99)  
(Domestic Non-Assigned/Foreign) Page 1

**RULE 63 (37 C.F.R. 1.63)**  
**INVENTORS DECLARATION FOR PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**HUMANIZED ANTI-CD3 SPECIFIC ANTIBODIES (AS AMENDED)**

the specification of which (check applicable box(s)):

☐ is attached hereto  
☒ was filed on 7 June 1995 as U.S. Application Serial No. 08/478,684 (Atty Dkt. No. 604-336)  
☐ was filed as PCT International application No. \_\_\_\_\_ on \_\_\_\_\_  
 and (if applicable to U.S. or PCT application) was amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

**Priority Foreign Application(s):**

**Application Number**  
9206422.9  
PCT/GB92/01933

**Country**  
United Kingdom

**Day/Month/Year Filed**  
24 March 1992  
21 October 1992

[illegible]

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below:

**Prior U.S./PCT Application(s):**  
**Application Serial No.**

Day/Month/Year Filed

Status: patented  
pending, abandoned

**09/988,925**

9 March 1993

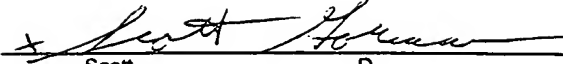
U.S. Patent 5,585,097

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8<sup>th</sup> Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Larry S. Nixon, 25640; Arthur R. Crawford, 25327; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffrey H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329; Joseph A. Rhoads, 37515; Raymond Y. Mah, 41426; Chris Comuntzis, 31097; Gary T. Tanigawa, 43180. I also authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the firm and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s).

1. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 Inventor: Sarah (first) L. Bolt (last) British (citizenship)  
 Residence: (city) Cambridge (state/country) England  
 Mailing Address: 38 Leys Avenue, Cambridge, England  
 (Zip Code) CB4 2AW

2. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 Inventor: Michael R. Clark  
 (first) MI (last) British  
 Residence: (city) Cambridge (state/country) England  
 Mailing Address: 124 Richmond Road, Cambridge, England  
 (Zip Code) CB4 3PT

☒ See attached sheet(s) for additional inventor(s) information!!

3. Inventor's Signature:  Date: 25 JANUARY 2002  
Inventor: Scott D. Gorman American  
(first) (last) (citizenship)  
Residence: (city) Oxfordshire (state/country) England  
Mailing Address: 104 Wroslyn Road, Freeland, Witney, Oxfordshire, England  
(Zip Code) OX29 8HL
4. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Edward G. Routledge British  
(first) (last) (citizenship)  
Residence: (city) Newcastle (state/country) England  
Mailing Address: 65 Wingrove Road, Fenham, Newcastle upon Tyne, England  
(Zip Code) NE4 9BS
5. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Herman MI Waldman British  
(first) (last) (citizenship)  
Residence: (city) Oxfordshire (state/country) England  
Mailing Address: 4, Apsley Road, Oxfordshire, England  
(Zip Code) OX2 7QY

604-336  
135511/US2/RSCNixon & Vanderhye P.C. (10/99)  
(Domestic Non-Assigned/Foreign) Page 1

**RULE 63 (37 C.F.R. 1.63)**  
**INVENTORS DECLARATION FOR PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**HUMANIZED ANTI-CD3 SPECIFIC ANTIBODIES (AS AMENDED)**

the specification of which (check applicable box(es)):

☐ is attached hereto  
☒ was filed on 7 June 1995 as U.S. Application Serial No. 08/478,684 (Atty Dkt. No. 604-336)  
☐ was filed as PCT International application No. \_\_\_\_\_ on \_\_\_\_\_  
 and (if applicable to U.S. or PCT application) was amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Priority Foreign Application(s):

Application Number	Country	Day/Month/Year Filed
9206422.9	United Kingdom	24 March 1992
PCT/GB92/01933		21 October 1992

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number	Date/Month/Year Filed

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below:

Prior U.S./PCT Application(s):  
 Application Serial No.

Day/Month/Year Filed

Status: patented  
 pending, abandoned

09/988,925

9 March 1993

U.S. Patent 5,585,097

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Road, 8<sup>th</sup> Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Larry S. Nixon, 25640; Arthur R. Crawford, 25327; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffrey H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. B. Rquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329; Joseph A. Rhoa, 37515; Raymond Y. Mah, 41426; Chris Comuntzis, 31097; Gary T. Tanigawa, 43180. I also authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the firm and to act and rely solely on instructions directly communicated from the person, assign, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s).

1.	Inventor's Signature: _____	Date: _____
	Inventor: Sarah L. Bolt (first) MI (last)	British (citizenship)
	Residence: (city) Cambridge (state/country) England	
	Mailing Address: 38 Leys Avenue, Cambridge, England	
	(Zip Code) CB4 2AW	
2.	Inventor's Signature: _____	Date: _____
	Inventor: Michael R. Clark (first) MI (last)	British (citizenship)
	Residence: (city) Cambridge (state/country) England	
	Mailing Address: 124 Richmond Road, Cambridge, England	
	(Zip Code) CB4 3PT	

☑ See attached sheet(s) for additional inventor(s) information!!

3. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Scott D. Gorman American  
(first) MI (last) (citizenship)  
Residence: (city) Oxfordshire (state/country) England  
Mailing Address: 104 Wroslyn Road, Freeland, Witney, Oxfordshire, England  
(Zip Code) OX29 8HL
4. Inventor's Signature: E. G. Routledge Date: 12<sup>th</sup> Feb 2002  
Inventor: Edward Routledge British  
(first) MI (last) (citizenship)  
Residence: (city) Newcastle (state/country) England  
Mailing Address: 65 Wingrove Road, Fenham, Newcastle upon Tyne, England  
(Zip Code) NE4 9BS
5. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Herman Waldman British  
(first) MI (last) (citizenship)  
Residence: (city) Oxfordshire (state/country) England  
Mailing Address: 4, Apsley Road, Oxfordshire, England  
(Zip Code) OX2 7QY



604-336  
135511/US2/RSCNixon & Vanderhye P.C. (10/99)  
(Domestic Non-Assigned/Foreign) Page 1

**RULE 63 (37 C.F.R. 1.63)**  
**INVENTORS DECLARATION FOR PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HUMANIZED ANTI-CD3 SPECIFIC ANTIBODIES (AS AMENDED)

the specification of which (check applicable box(es)):

☐ is attached hereto  
☒ was filed on 7 June 1995 as U.S. Application Serial No. 08/478,684 (Atty Dkt. No. 604-336)  
☐ was filed as PCT International application No. \_\_\_\_\_ on \_\_\_\_\_  
 and (if applicable to U.S. or PCT application) was amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Priority Foreign Application(s):

Application Number  
9206422.9  
PCT/GB92/01933

Country  
United Kingdom

Day/Month/Year Filed  
24 March 1992  
21 October 1992

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number

Date/Month/Year Filed

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below:

Prior U.S./PCT Application(s):  
 Application Serial No.

Day/Month/Year Filed

Status: patented  
 pending, abandoned

09/988,925

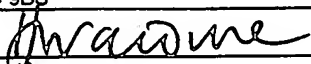
9 March 1993

U.S. Patent 5,585,097

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint **NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8<sup>th</sup> Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed)**, and the following attorneys thereof (of the same address) individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Larry S. Nixon, 25640; Arthur R. Crawford, 25327; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffrey H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329; Joseph A. Rhoads, 37515; Raymond Y. Mah, 41426; Chris Comuntzis, 31097; Gary T. Tanigawa, 43180. I also authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the firm and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s).

1.	Inventor's Signature:				Date:	
	Inventor:	<u>Sarah</u>	<u>L.</u>	<u>Bolt</u>	<u>British</u>	
		<u>(first)</u>	<u>MI</u>	<u>(last)</u>	<u>(citizenship)</u>	
	Residence: (city)	<u>Cambridge</u>		<u>(state/country)</u>	<u>England</u>	
	Mailing Address:	<u>38 Leys Avenue, Cambridge, England</u>				
	(Zip Code)	<u>CB4 2AW</u>				
2.	Inventor's Signature:				Date:	
	Inventor:	<u>Michael</u>	<u>R.</u>	<u>Clark</u>	<u>British</u>	
		<u>(first)</u>	<u>MI</u>	<u>(last)</u>	<u>(citizenship)</u>	
	Residence: (city)	<u>Cambridge</u>		<u>(state/country)</u>	<u>England</u>	
	Mailing Address:	<u>124 Richmond Road, Cambridge, England</u>				
	(Zip Code)	<u>CB4 3PT</u>				

☒ See attached sheet(s) for additional inventor(s) information!!

3. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Scott D. Gorman American  
(first) (last) (citizenship)  
Residence: (city) Oxfordshire (state/country) England  
Mailing Address: 104 Wroslyn Road, Freeland, Witney, Oxfordshire, England  
(Zip Code) OX29 8HL
4. Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Inventor: Edward G. Routledge British  
(first) (last) (citizenship)  
Residence: (city) Newcastle (state/country) England  
Mailing Address: 65 Wingrove Road, Fenham, Newcastle upon Tyne, England  
(Zip Code) NE4 9BS
5. Inventor's Signature:  Date: 25/1/2002  
Inventor: Herman MI Waldman British  
(first) (last) (citizenship)  
Residence: (city) Oxfordshire (state/country) England  
Mailing Address: 4, Apsley Road, Oxfordshire, England  
(Zip Code) OX2 7QY